1/10

		1710			50
M A L E	Q N Q	S T D	TATTATTATG Y Y Y E	ENE	
AATGAATGGC M N G		ACAGTCAATA S Q Y	TGAACTGATC '	TGTATCAAAG C I K E	100
AAGATGTCAG D V R	AGAATTTGCA E F A	AAAGTTTTCC K V F L	TCCCTGTATT P V F	CCTCACAATA L T I	150
GTTTTCGTCA V F V I	TTGGACTTGC G L A	AGGCAATTCC G N S	ATGGTAGTGG M V V A	CAATTTATGC I Y A	200
CTATTACAAG Y Y K	AAACAGAGAA K Q R T	CCAAAACAGA K T D	TGTGTACATC V Y I	CTGAATTTGG L N L A	250
CTGTAGCAGA V A D	TTTACTCCTT	CTATTCACTC L F T L	TGCCTTTTTG P F W	GGCTGTTAAT A V N	300
GCAGTTCATG A V H G	GGTGGGTTTT W V L	AGGGAAAATA G K I	ATGTGCAAAA M C K I	TAACTTCAGC T S A	350
CTTGTACACA L Y T	CTAAACTTTG L N F V	TCTCTGGAAT S G M	GCAGTTTCTG Q F L	GCTTGTATCA A C I S	400
GCATAGACAG I D R	ATATGTGGCA Y V A	GTAACTAAAG V T K V	TCCCCAGCCA P S Q	ATCAGGAGTG S G V	450
GGAAAACCAT G K P C	GCTGGATCAT W I I	CTGTTTCTGT C F C	GTCTGGATGG V W M A	CTGCCATCTT A I L	500
GCTGAGCATA L S I	CCCCAGCTGG P Q L V	TTTTTTATAC F Y T	AGTAAATGAC V N D	AATGCTAGGT N A R C	550
GCATTCCCAT I P I	TTTCCCCCGC F P R	TACCTAGGAA Y L G T	CATCAATGAA S M K	AGCATTGATT A L I	600
CAAATGCTAG O M L E		TGGATTTGTA	GTACCCTTTC	TTATTATGGG I M G	650
_	TTTATCACAG		CATGAAGATG	CCAAACATTA P N I K	700
AAATATCTCG I S R	ACCCCTAAAA P L K	GTTCTGCTCA V L L T	CAGTCGTTAT V V I	AGTTTTCATT V F I	750
ርጥር እርጥሮ አ አር		САТТСТСААС	TTCTGCCGAG F C R A	CCATAGACAT I D I	. 800
$C$ $\Delta$ $T$ $C$ $T$ $\Delta$ $C$ $T$ $C$ $C$ $C$	CTCATCACCA	GCTGCAACAT		ATGGACATCG	850
CC 3 TCC 3 3 CT	CACAGAAAGC	∆TCCCACTCT	TTCACAGCTG H S C	CCTCAACCCA	900
እ ጥር ርጥጥጥ እ ጥር	. ጥጥጥጥጥ አጥርረር	ልርር ልጥርጥጥጥ <u>ር</u>	AAAAACTACG K N Y V	TTATGAAAGT	950 
GGCCAAGAA	᠃ᡣ᠔ᡎᢗᢙᢗᡥᢕᢕᡎ	GGAGAAGACA		GTGGAGGAGT	
ምም <u>ር ርብ</u> ሞምምር ን	. ምምርሞር እርርርጥ	CCTACAGAGC		TTTTAGCATT	1050
ጥል ል ልርርጥል ል ፤	╵ ݖ╸ă┍┯⋳┍┯┍┯⋳	CTTTGCTTG	GATACATATG D T Y E	AATGATGCTT	1100
	. ጥልልልልሮልጥርጥ	CCCTTATTCT	GAAAAAAAA K K K	AAAAAM	1147

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CCX-CKR CCR9 CCR7 CCR6 STRL33	MALEQNOSTDYYYEENEMNGTYDYSQYELICIK MTPTDFTSPIPNMADDYG-SESTSSM-EDYVNFNFTDFYCEK MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSK MSGESMNFSDVFDSSEDYFVSVNTSYYSVDSEMLLCSL MAEHDYHEDYGFSSF-NDSSQEEHQDFL	33
	TM1	
CCX-CKR CCR9 CCR7 CCR6 STRL33	EDVREFAKVFLFVFLTIVFYIGIAGNSMVVAIYAYYKKORTKTDVYILNI NNVROFASHFLPPLYWLVEIVGALGNSLVILVYWYCTRVKTMTDMFLLNI KDVRNFKAWFLPIMYSIICFVGILGNGLVVLTYIYFKRLKTMTDTYLLNI QEVROFSRLFMPIAYSLIGVFGILGNILVVITFAFYKKARSMTDVYLLNM QESKVFLPCMYLVVFVCGIVGNSLVLVISIFYHKLQSLTDVFLVNI	83
	TM2 TM3	
CCX-CKR CCR9 CCR7 CCR6 STRL33	AVADLLLEFTLPFWAV-NAVHGWVLGKIMCKITSALYTINFVSGMOFILAC ATADLLELVTLPFWAIA-AADOWKFOTFMCKVVNSMYKMNFYSCVLLIMC AVADTLELLTLPFWAYS-AAKSWVFGVHFCKLIFAIYKMSFFSGMLLTLC ATADTLEVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTC PLADTVFVCTLPFWAYA-GIHEWVFGOVMCKSLLGIYTINFYTSMLILTC	132
	TM4	
CCX-CKR CCR9 CCR7 CCR6 STRL33	ISIDRYVAVTK-VPSQSGVGKPCWIICFCVWMAAIILSIFQLVFYTV ISVDRYIAIAQAMRAHTWREKRLLYSKMVCFTIWVLAAAICIFEILYSQI ISIDRYVAIVQAVSAHRHRARVLLISKLSCVGSAILATVLSIFELLYSDL ISMDRYIAIVQATKSFRLRSRTLPRTKIICLVVWGLSVIISSSTFVFNQK ITVDRFIVVVKATKAYNQQAKRMTWGKVTSLLIWVISLLVSLPQIIYGNV	178
	TM5	
CCX-CKR CCR9 CCR7 CCR6 STRL33	NDNARCIPIFPRY-LGTSMKALIQMECICIGFVVPFLIMGVCYFITA KEESGIAICTMVYPS-DESTKLKSAVLTLKVILGFFLPFVVMACCYTIII QRSSSEQAMRCSLIT-EHVEAF-ITIQVAQMVIGFLVPLLAMSFCYLVII YNTQGSDVCEPKYQTVSEPIRKKLLMLGELLFGFFIPLMFMIFCYTFIV FNLDKL-ICGYHDEAISTVVLATQMTLGFFLPLLTMIVCYSVII	224
	TM6	
CCX-CKR CCR9 CCR7 CCR6 STRL33	RTLMKMPNIKISRPLKVLLTVVIVFIVTOLPYNIVKFCRAIDIIYSLITS HTLIQAKKSSKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISN RTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSST KTLVQAQNSKRHKAIRMIIAVVLVFLACQIPHNMVLLV-TAANLGKMNRS KTLLHAGGFQKHRSLKIIFLVMAVFLLTOMPFNLMKFIRSTHWE	274

FIG. 2A

## TM7

CCX-CKR CCR9 CCR7 CCR6 STRL33	CNMSKRMDTAIQVTESTALFHSCLNFILTYVFMGASFKNYVMKV CAVSTNIDTCFQVTQTLAFFHSCLNFVLYVFVGERFRRDLVKTLKNLGCI CELSKQLNTAYDVTYSLACVRCCVNFFLYAFTGVKFRNDIFKLFKDLGCL CQSEKLIGYTKTVTEVLAFLHCCLNFVLYAFTGQKFRNYFLKTLKDLWCV YYAMTSFHYTIMVTEATAYLRACLNFVLYAFVSLKFRKNFWKLVKDIGCL	
CCX-CKR CCR9 CCR7 CCR6 STRL33	AKKYGSWRRQRQSVEEFPFDSEGPTEPTSTEST SQA-QWVSFTRREGSLK-LSSMLLETTSGALSL SQE-QLRQWSSCRHIRR-SSMSVEAETTTTFSP RRKYKSSGFSCAGRYSENISRQTSETADNDNASSFTM PYLGVSHQWKSSEDNSKTFSASHNVEATSMFQL	350

FIG. 2A (CONTINUED)

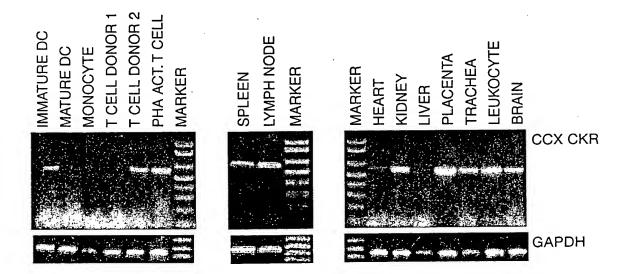


FIG. 2B

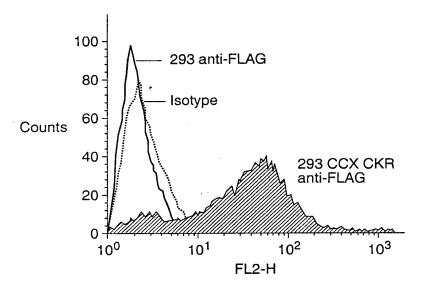


FIG. 2C

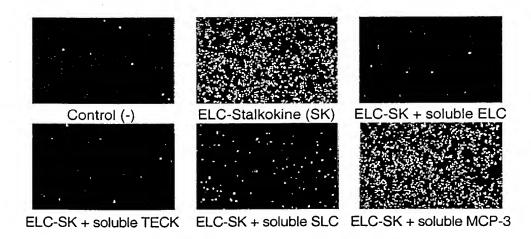


FIG. 3A

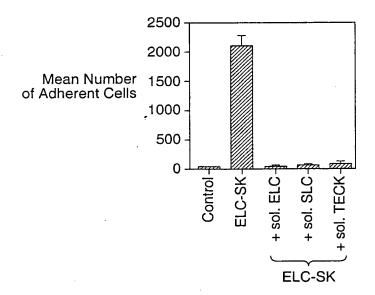


FIG. 3B

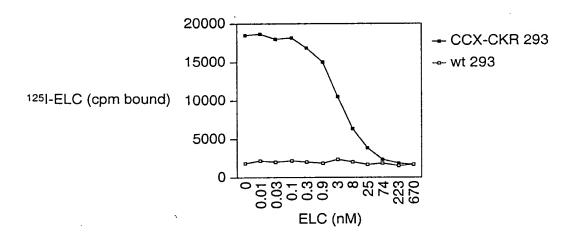


FIG. 3C

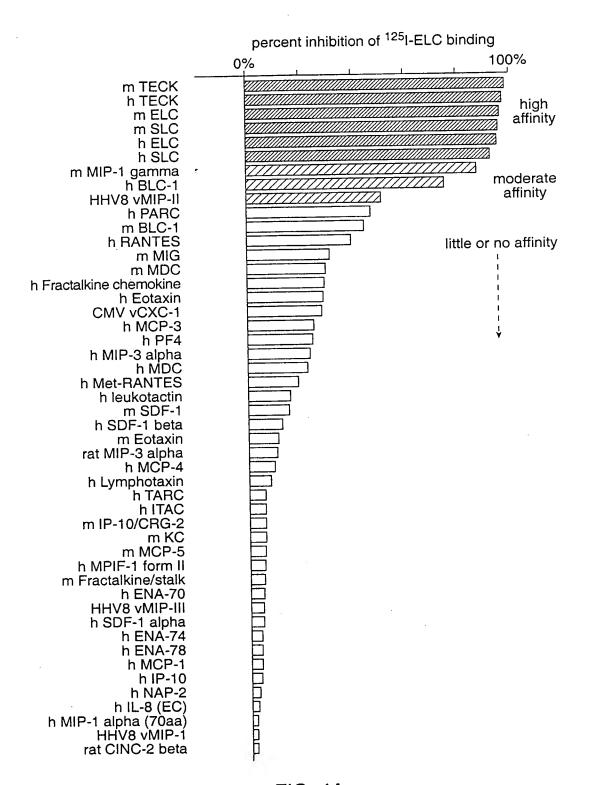


FIG. 4A

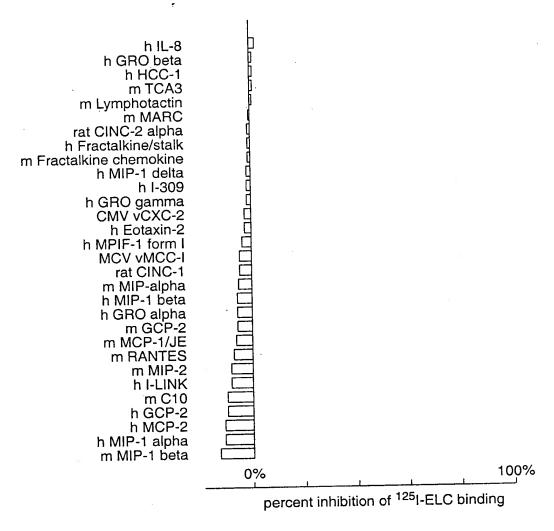


FIG. 4A (CONTINUED)

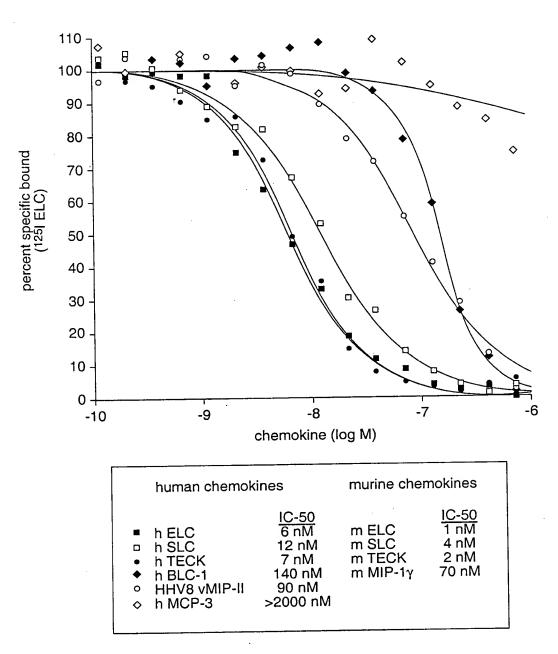


FIG. 4B

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5'upstream CCXCKR	ATGCAGCATC	TCGTTTATAA	AAGGCAACTA	GTGAAATTTA	GTGCAAATGC	50
5'upstream CCXCKR	TGAGAGAATT	TATTTAACTT	ATTAAATTA	AATTTATAAA 	TAACATCAAA	100
5'upstream CCXCKR	ATAAAAAATA	AATTTAATTT	AAATAAACCA	AGTAATTTGC	TATTTTCGTT	150
5'upstream CCXCKR	TTTATTCAAT	TTGTTGTAGA	TATACTTTTA	CGATTCACAA	AATTATGTAT	200
5'upstream CCXCKR	GTAAAGATTA	TAACACTATT	TATTCTTTTT	AGTTAAAATC	TAATTAATT	250
5'upstream CCXCKR	TTCATATTTT	AAAAATCATT	TTTACATAAA	AGTCTTCACT	TTTATTTAGG	300
5'upstream CCXCKR	ATTTAATGAT	TAAGAAAATT	CTCCAGGGCA	TTATGTTTAT	TGTCCTGTTC	350
5'upstream CCXCKR	AAATCCAAGC	TCTTTCACAC	AGAATTGTAC	AAGCAAAGTT	TGAGTAACTA	400
5'upstream CCXCKR	ATCTTGGGGT	CATATTCCAA	TGTGGCTCCC	ATTAAAGCAT	TTCAAAGAGT	450
5'upstream CCXCKR	GCTAGATTCA	GGCTCACATA	TGTTACAGCA	ACAGGCTATA	CTCTAGGGAA	500
5'upstream CCXCKR	AGAACAAAAC	AGCTTGATAG			TATTTAGACA	550
5'upstream CCXCKR	AATATCTATC	CTGTATTCTC		TION START AGATTGGAGC	CATGGCTTTG -ATGGCTTTG	600 9
5'upstream CCXCKR	GAACAGAACC GAACAGAACC	-GTCAACAGA AGTCAACAGA	TTATTATTAT TTATTATTAT	GAGGA-AAAI	GAAATGAATG GAAATGAATG	649 58
5'upstream CCXCKR	GCACTIATGA	CTACAGTCA	TATGAACTGA		AGAAGATQTC	685 108
5'upstream CCXCKR	AGAGAAGAGA AGAGAA	CAGAGGATAT	GG-ACAGGGT GCAAAAGTTI	TCCTCCCTGT	ATTOCTCACC ATTOCTCACA	734 147
5'upstream CCXCKR	ATAG ATAGITTTCG				TGGCAATTTA	740 197
5'upstream CCXCKR	TGCCTATTAC	AAGAAACAGA	GAACCAAAAC	AGATGTGTAC	ATCCTGAATT	740 247
5'upstream CCXCKR	TGGČTGTAGC	AGATTTACTC	CTTCTATTCA	A CTCTGCCTT	TTGGGCTGTT	740 297
5'upstream CCXCKR	AATGCAGTTC	ATGGGTGGGT	TTTAGGGAAA	A ATAATGTGCA	A AAATAACTTC	740 347

